

Software configuration in a telecommunication device

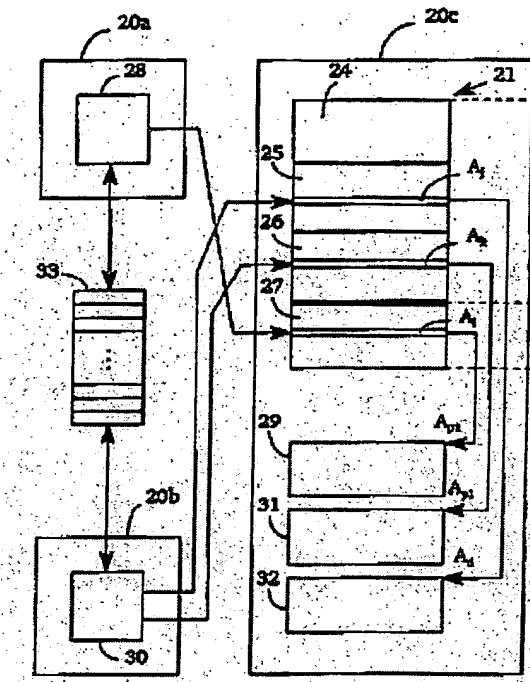
Patent number: DE19502728
Publication date: 1996-08-01
Inventor: BAUMBAUER LOTHAR DIPLO PHYS (DE)
Applicant: PHILIPS PATENTVERWALTUNG (DE)
Classification:
 - **international:** H04Q3/545; G06F9/45
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Application number: DE19951002728 19950128
Priority number(s): DE19951002728 19950128

Also published as:

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 US577138
 EP075317

Abstract of DE19502728

The invention relates to a telecommunication device having software that is used for controlling function routines, which software is comprised of several separately compilable program units (20a, 20b, 20c). To reduce the time necessary for manufacturing the telecommunication device and the time necessary for implementing software changes, the program units (20a, 20b, 20c) each have a header (21) which contains addresses (Ap1, Ap2, Ad) used for addressing procedures (29, 31) and/or data (32) combined in the program units (20a, 20b, 20c). Furthermore, a catalogue (33) is provided which is available to all the loaded program units (20a, 20b, 20c), which catalogue contains references for addressing the headers (21) of the program units (20a, 20b, 20c). Within the framework of the manufacture of the telecommunication device, the predefined program units (20a, 20b, 20c) need not be linked when the software of the telecommunication device is implemented.

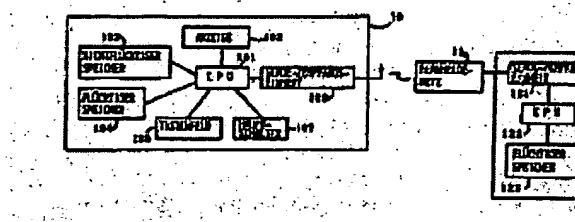


**Appendix A
2 of 5****Software updating method for microcomputer-supported mobile telephone**

Patent number: DE19543843
Publication date: 1997-05-28
Inventor: CHEN VICTOR (TW)
Applicant: ACER PERIPHERALS INC (TW)
Classification:
- **international:** H04Q3/545; H04M1/00; H04Q7/20
- **european:** G06F9/445N; H04M1/725F1C; H04Q3/545C1; H04Q7/32A2
Application number: DE19951043843 19951124
Priority number(s): DE19951043843 19951124

Abstract of DE19543843

The method is applied to a mobile telephone (10) which is linked by a telecommunications network (11) to a software-updating computer system (12). The computer system includes a transceiver (121), a volatile memory (123) and a hard disc (124). The mobile telephone holds its software in a non-volatile flash memory (103) with a structure table containing its version number. The software is set into an updating mode and a link is established with the remote computer system, to which the structure table is transmitted. An updating package with new operating system and function modules and a modified structure table is then received by the mobile telephone, via its transceiver (106).



Appendix A
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System for the new programming of a control memory

Application number: DE 19850133
Publication Date: May 27, 1999
Inventor:
Applicant: Nissan Motor Co.

Abstract of DE19850133

System for the new programming of a control memory, in order to write data again in a control memory of a control unit, as for instance a vehicle tax unit, with an external mechanism, whereby an identification code in the control unit is stored and whereby a pre-determined compatibility information record on a recording medium is noted, on which the new data for the reprogramming it is stored.

After the connection of the control unit with the external mechanism, into which the recording medium is loaded, the reprogramming system compares the identification code of the control unit with the compatibility information record on the recording medium, over the compatibility between the data in the control memory and the data on the recording medium to examine and prevents the reprogramming with the recording medium, if the compatibility is not confirmed.

Appendix A

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Software download device for a communication terminal.

Patent number: EP0459344
Publication date: 1991-12-04
Inventor: ISSENMANN EDOUARD (FR); BALLARD MICHEL (FR)
Applicant: CIT ALCATEL (FR)
Classification:
 - international: H04Q7/04
 - european: H04Q7/32A2
Application number: EP19910108566 19910527
Priority number(s): FR19900006710 19900530

Also published as:

FR266281

Cited documents

EP029761
 EP036911
 US473641
 DE381501

Abstract of EP0459344

The invention relates to a device for downloading a telecommunication terminal, for example a radio telephone (9), so as to change its operating software, without the user of this radio telephone having to take it to a commercial agency of the operator of the radio telephone network. In an embodiment, each radio telephone includes:

- a plurality of random-access memories (1, 2) for storing various items of operating software;
- a read-only memory (3) storing an item of downloading software;
- a microprocessor (4) executing either the downloading software, or one of the operating programs;
- a conventional radio interface (5) used, on the one hand, as downloading interface, and on the other hand, for the conventional radio telephone links.

Application to all telecommunication terminals containing a microprocessor, in particular the terminals distributed in great numbers among the public.

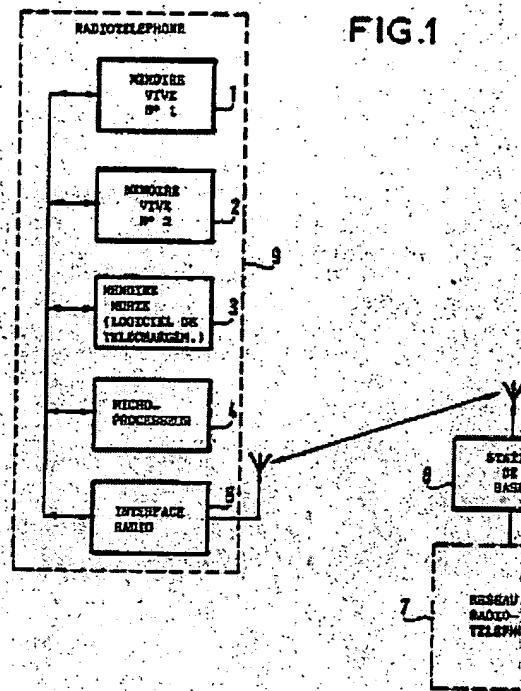


FIG.1

(19) Organisation Mondiale de la Propriété
Intellectuelle
Bureau international



(43) Date de la publication internationale
17 mai 2001 (17.05.2001)

PCT

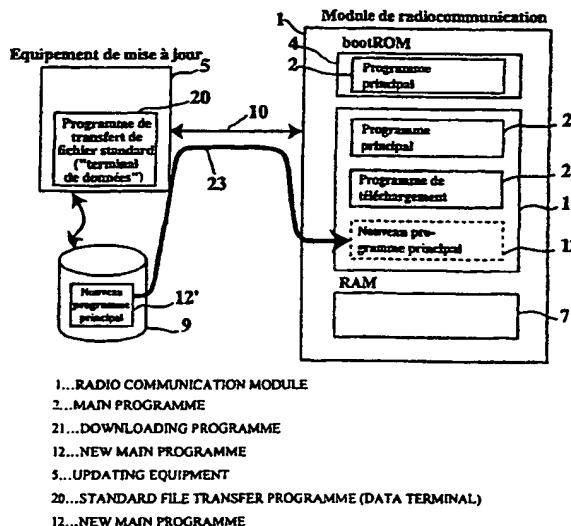
(10) Numéro de publication internationale
WO 01/35686 A1

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- (26) Langue de publication: français
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- (71) Déposant (*pour tous les États désignés sauf US*): WAVE-COM [FR/FR]; 39, rue du Gouverneur Général Eboué, F-92130 Issy-les-Moulineaux (FR).
- (72) Inventeur; et
- (75) Inventeur/Déposant (*pour US seulement*): DAMBRE, Antoine [FR/FR]; 51, avenue du Général Michel Bizot, F-75012 Paris (FR).
- (74) Mandataire: VIDON, Patrice; Le Nobel, 2, allée Antoine Becquerel, Boîte postale 90333, F-35703 Rennes Cedex 7 (FR).
- (81) États désignés (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) États désignés (*régional*): brevet ARIPO (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), brevet eurasien

[Suite sur la page suivante]

(54) Title: METHOD FOR UPDATING A MAIN PROGRAMME EXECUTED BY A RADIO COMMUNICATION MODULE

(54) Titre: PROCEDE DE MISE A JOUR D'UN PROGRAMME PRINCIPAL EXECUTE PAR UN MODULE DE RADIOPRATICIEN



WO 01/35686 A1

(57) Abstract: The invention concerns a method for updating a main programme (2) executed by a radio communication module (1), and/or data associated with said main programme, said radio communication module communicating with an updating equipment (5). The invention is characterised in that it comprises the following successive steps: launching the execution, by the radio communication module, of a downloading programme (21) capable of communicating, in accordance with a standard communication protocol, with a standard file transfer programme (20), of the data terminal type, executed by the updating equipment; sending through the standard file transfer programme (20) to the downloading programme (21), in accordance with the standard communication protocol, a new main programme (12) and/or new data; storing through the downloading programme (21), in a non-volatile memory (11) of the radio communication module (1), the new main module (12) and/or the new data.

[Suite sur la page suivante]